

# Operating Instructions

## Busch-Wächter®

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### 6841-101 IR remote control

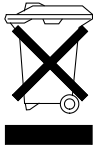


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## 1 Intended use

The device is to be used exclusively with the components that are supplied and licensed as described in chapter "Setup and function".

## 2 Environment



### **Consider the protection of the environment!**

Used electric and electronic devices must not be disposed of with domestic waste.

- The device contains valuable raw materials which can be recycled. Therefore, dispose of the device at the appropriate collecting depot.
- Do not dispose of the batteries with domestic waste. Take the used batteries to the collecting depot for recycling. Many retailers have collection boxes for used batteries.

All packaging materials and devices bear the markings and test seals for proper disposal. Always dispose of the packaging material and electric devices and their components via the authorized collecting depots and disposal companies.

The products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.

(EU Directive 2002/96/EC WEEE and 2002/95/EC RoHS)

(EU REACH ordinance and law for the implementation of the ordinance (EC) No.1907/2006)

### 3 Setup and function

The IR remote control has been specially developed for the customer for commissioning the Busch-Watchdog movement detectors. The functions and settings can be comfortably controlled without a ladder or an electrical installer. For this the IR remote control have to be aligned directly to the Busch-Watchdog movement detector.

The IR remote control serves for adjusting Busch-Watchdog devices.

The IR remote control 6841-101 can only be operated with Bush-Watchdogs 110 MasterLINE and 220 / 280 MasterLINE.

#### 3.1 Features of function and equipment

Busch-Watchdog 110 MasterLINE





Busch-Watchdog 220 MasterLINE / select / premium

- Busch-Watchdog 280 MasterLINE

| Option | Function                       |
|--------|--------------------------------|
| 1      | Brightness switching threshold |
| 2      | Presence simulation            |
| 3      | Continuous light               |

The maximum coverage of the IR remote control is 6 m.

3.2 Possible combinations

|   | 6841-101 |
|---|----------|
| <br>6855 – 110 MasterLINE                | X        |
| <br>6847 – 220 MasterLINE<br>select      | X        |
| <br>6848 – 220 MasterLINE<br>premium     | X        |
| <br>6847-6867 – 220 -280<br>MasterLINE | X        |

4      Operation

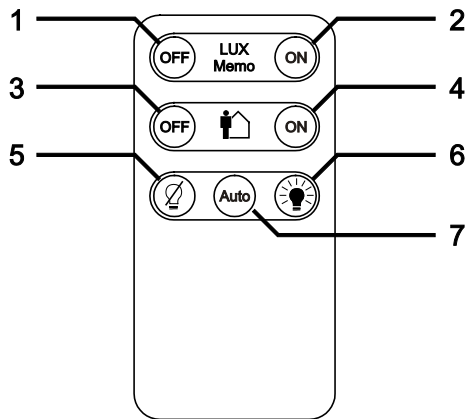


Fig. 1:    Operation

The following settings can be made with the IR remote control:

| No. | Function  |
|-----|---|
| 1   | Resetting the brightness limit value to the settings of the potentiometers on the device.   |
| 2   | Setting the current brightness as brightness limit value.   |
| 3   | Deactivation of presence simulation.  |
| 4   | Activation of presence simulation.<br>– Continuous light between twilight and 22:30 p.m. CET or 23:30 CEST. Followed by movement detection. |
| 5   | Light deactivation for 4 hours (no detection of movement).  |
| 6   | Light activation for 4 hours (no detection of movement).  |
| 7   | Deactivating automatic movement detection and 4 hours light On / Off.   |

#### 4.1 Brightness switching threshold

##### OFF

Deletes the brightness switching threshold stored via the remote control and activates the setting of the brightness potentiometer on the device.

##### LUX Memo

Info / symbol of the "Brightness switching threshold" setting option.

##### ON

Stores the current brightness value as brightness threshold value on the device.



#### 4.2 Presence simulation

##### OFF

Deactivates presence simulation.

There is a reset to the operating mode that was active prior to the activation.

##### Person / house

Symbol of the "Presence simulation" setting option.

##### ON

Activation of the presence simulation.

- Activation of light during twilight
- Switchover to automatic mode at approximately 22:30 p.m.



When presence simulation is activated, this gives the impression that persons are present in the house and is therefore ideal for when you are away on holiday.

#### 4.3 Continuous light

##### Continuous OFF / lamp is crossed out

The movement detector is activated for four hours. It then automatically returns to the prior operating mode.

##### AUTO

Early pressing of the "AUTO" button reverts back to the previous operating mode, the one that was active prior to pressing the continuous light ON button.



##### Continuous light ON / lamp is on

The movement detector is activated for four hours. It is also active when no one is within the detection range, but light is still required. It then automatically returns to the prior operating mode.

## 5 Technical data

| Designation                         | Value                 |
|-------------------------------------|-----------------------|
| Operating voltage                   | 3 V DC                |
| Battery type                        | CR 2025               |
| Battery life                        | Approximately 2 years |
| Horizontal detection (coverage)     |                       |
| • Busch-Watchdog 220/280 MasterLINE | Maximum of 6 m        |
| • Busch-Watchdog 110 MasterLINE     | Maximum of 2 m        |
| Operating temperature               | 0°C ... 45°C          |
| Protection type                     | IP 40                 |

## 6 Start-up



### Note

The IR remote control is coded and must be programmed to the Busch-Watchdog during commissioning (see chapter **Fehler! Verweisquelle konnte nicht gefunden werden.**

"Programming the device" on page **Fehler! Textmarke nicht definiert.**).

This code (16 bit, corresponds to 65,536 possible variations) prevents movement detectors in the surrounding area to be influenced unintentionally or deliberately.



## 7 Commissioning

### 7.1 Removing the protective foil

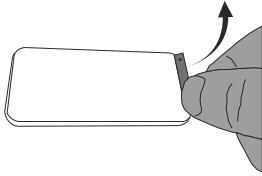


Fig. 2: Protective foil on the battery

1. Remove the protective foil from the battery before commissioning.

### 7.2 Programming the device

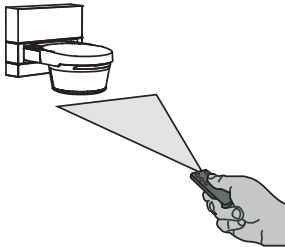


Fig. 3: Remote control

2. Press the "AUTO" button on the remote control for at least 3 seconds within the period of 10 minutes after activating the power on the Busch-Watchdog.
  - The Busch-Watchdog must be de-energized for at least 30 seconds.
  - The remote control will then automatically connect itself to the Busch-Watchdog, and the Busch-Watchdog will flash if the reception is correct.
  - Repeat these steps to program a maximum of 9 additional remote controls.

## 8 Maintenance

### 8.1 Battery change of remote control

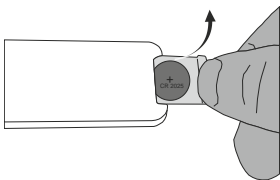


Fig. 4: Changing the battery

1. Pull the battery holder out of the remote control.
2. Insert a new battery of type 2025. The plus pole of the battery (+) must be on top.
3. Push the battery holder back into the device.

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